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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2008; month=4; day=21; hr=11; min=27; sec=3; ms=219; ]

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Application No: 10803195 Version No: 3.0

**Input Set:****Output Set:**

**Started:** 2008-04-04 17:19:39.376  
**Finished:** 2008-04-04 17:19:42.339  
**Elapsed:** 0 hr(s) 0 min(s) 2 sec(s) 963 ms  
**Total Warnings:** 120  
**Total Errors:** 1  
**No. of SeqIDs Defined:** 120  
**Actual SeqID Count:** 120

Error code	Error Description
E 287	Invalid WIPO ST.2 date format; Use (YYYY-MM-DD) in <141>
W 402	Undefined organism found in <213> in SEQ ID (1)
W 402	Undefined organism found in <213> in SEQ ID (2)
W 402	Undefined organism found in <213> in SEQ ID (3)
W 402	Undefined organism found in <213> in SEQ ID (4)
W 402	Undefined organism found in <213> in SEQ ID (5)
W 402	Undefined organism found in <213> in SEQ ID (6)
W 402	Undefined organism found in <213> in SEQ ID (7)
W 402	Undefined organism found in <213> in SEQ ID (8)
W 402	Undefined organism found in <213> in SEQ ID (9)
W 402	Undefined organism found in <213> in SEQ ID (10)
W 402	Undefined organism found in <213> in SEQ ID (11)
W 402	Undefined organism found in <213> in SEQ ID (12)
W 402	Undefined organism found in <213> in SEQ ID (13)
W 402	Undefined organism found in <213> in SEQ ID (14)
W 402	Undefined organism found in <213> in SEQ ID (15)
W 402	Undefined organism found in <213> in SEQ ID (16)
W 402	Undefined organism found in <213> in SEQ ID (17)
W 402	Undefined organism found in <213> in SEQ ID (18)
W 402	Undefined organism found in <213> in SEQ ID (19)

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**Output Set:**

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Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (20) This error has occurred more than 20 times, will not be displayed

<110> Feldmann, Richard J.

<120> Symmetry relationships between pairs of Connectrons

<130> FELD3002CIP2

<140> 10803195

<141> 2004-03-18

<160> 120

<170> Proprietary

<210> 1

<211> 182

<212> DNA

<213> Escherichia coli K-12 MG1655 complete genome

<220>

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ttcagtggtc	ttctcgggtc	ggtgttttagc	tgagcagcaa	ccagatctag	ttcatgttga	120
gtatattggg	caagacatgt	cttttttagga	aagtactgcc	gaattagccc	atttgtgttc	180
tc						182

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<211> 182

<212> DNA

<213> Escherichia coli K-12 MG1655 complete genome

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gtatattggg	caagacatgt	cttttttagga	aagtactgcc	gaattagccc	atttgtgttc	180
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<212> DNA

<213> Escherichia coli K-12 MG1655 complete genome

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ttgggcaaga  catgtctttt  taggaaagta  ctgccgaatt  agcccatattg  t                171

<210>          4

<211>      171
<212>      DNA
<213>      Escherichia coli K-12 MG1655 complete genome

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ttgggcaaga  catgtctttt  taggaaagta  ctgccgaatt  agcccatattg  t                171

<210>          5

<211>      67
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tacatga                                67

<210>          6

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<213>      Sulfolobus tokodaii complete genome

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<211> 85

<212> DNA

<213> Sulfolobus tokodaii complete genome

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<210> 8

<211> 85

<212> DNA

<213> Sulfolobus tokodaii complete genome

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aaggaggattt	tctcccttga	ataaaa				85

<210> 9

<211> 117

<212> DNA

<213> Saccharomyces cerevisiae complete genome

<220>

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ctaaattag	ggaagctgaa	acgcaaggat	tgataatgta	ataggatcaa	tgaatat	117

<210> 10

<211> 117

<212> DNA

<213> Saccharomyces cerevisiae complete genome

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<210>      11

<211>      117
<212>      DNA
<213>      Saccharomyces cerevisiae complete genome

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<223>      Chromosome =   15  Contig =   15  Strand = pos  CtronObjNum =   28455

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<211>      117
<212>      DNA
<213>      Saccharomyces cerevisiae complete genome

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ctaaattagt  ggaagctgaa  acgcaaggat  tgataatgta  ataggatcaa  tgaatat      117

<210>      13

<211>      68
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<213>      Caenorhabditis elegans complete genome

<220>
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gggaattgct  tcgtcaaattg  atcgacggag  ggcttttggc  catctgcaag  gataaactcg      60
catgtcga      68

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<210>          14

<211>          68
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<213>          Caenorhabditis elegans complete genome

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gggaattgct  tcgtcaaatg  atcgacggag  ggcttttggc  catctgcaag  gataaactcg          60
catgtcga                                     68

<210>          15

<211>          68
<212>          DNA
<213>          Caenorhabditis elegans complete genome

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<223>          Chromosome = 1  Contig = 1  Strand = neg  CtronObjNum = 380

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gagctcgcaa  caccggccga  gcagcgggaa  ttgcttcgct  aaatgatcga  cggaggggctt          60
ttggccat                                     68

<210>          16

<211>          68
<212>          DNA
<213>          Caenorhabditis elegans complete genome

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ttggccat                                     68

<210>          17

<211>          58
<212>          DNA
<213>          Homo sapiens complete genome

<220>
<222>          (16381)...(16438)

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<210>          18

<211>          58
<212>          DNA
<213>          Homo sapiens complete genome

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<210>          19

<211>          58
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<213>          Homo sapiens complete genome

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<222>          (16381)...(16438)
<223>          Chromosome =    4  Contig =    1  Strand = pos  CtronObjNum =    1331

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<210>          20

<211>          58
<212>          DNA
<213>          Homo sapiens complete genome

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<223>          Chromosome =    4  Contig =    1  Strand = pos  CtronObjNum =    1559

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ggtgagtacc tttctatgaa ggtgataagg atccactgag tcttccatat aaagatca          58

<210>          21

<211>          94
<212>          DNA
<213>          Arabidopsis thaliana complete genome

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<222>      (21590870)...(21590960)
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taattatggc caaatccaag ttctagagtt ttct      94

<210>      22

<211>      94
<212>      DNA
<213>      Arabidopsis thaliana complete genome

<220>
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taattatggc caaatccaag ttctagagtt ttct      94

<210>      23

<211>      79
<212>      DNA
<213>      Arabidopsis thaliana complete genome

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<222>      (21590870)...(21590950)
<223>      Chromosome =   5   Contig =   1   Strand = neg   CtronObjNum =   29822

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taattatggc caaatccaa      79

<210>      24

<211>      79
<212>      DNA
<213>      Arabidopsis thaliana complete genome

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taattatggc caaatccaa      79

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 <212> DNA  
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<210> 27  
 <211> 35  
 <212> DNA  
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<211>	20	
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<210>          34

<211>          59
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<210>          35

<211>          60
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<213>          Sulfolobus tokodaii complete genome

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<211>          60
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<213>      Sulfolobus tokodaii complete genome

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aatagtttta agctaagatt aaaaacttta cccgcctta aaaggcgagg cttgccccgc      180
gttttgtca                                189


<210>      38

<211>      189
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<213>      Sulfolobus tokodaii complete genome

<220>
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aatagtttta agctaagatt aaaaacttta cccgcctta aaaggcgagg cttgccccgc      180
gttttgtca                                189


<210>      39

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<213>      Sulfolobus tokodaii complete genome

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<211> 36

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